

Healthcare

Modern, intuitive healthcare infrastructure that serves the needs of its communities is critical for a healthy and happy society. We are currently working with over 40 individual NHS Trusts and Boards across the country, and at a national level to make this happen.

Our 200-plus healthcare experts in the UK are trained to operate in the health sector with the right skills to meet our clients' needs across a wide range of disciplines.

Our approach to healthcare is client and end-user centric. We have a detailed understanding of NHS strategy and policy, which helps us to consistently deliver projects that meet your complex needs. We also design with the end-user in mind, making sure the spaces we deliver are practical, fit-for-purpose and user friendly. Together, these skills lead to successful project delivery.



At Mott MacDonald, we can provide the following services:

Business case production/authoring

A robust business case is central to achieving investible projects and goes a long way to securing the right outcomes. It will validate decisions for investment and is therefore essential for all significant publicly funded projects. Our dedicated business case experts have been working closely with NHS England in pushing forward the new hospital building programme

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- North Powys Health and Wellbeing Campus

Healthcare planning

Our team's experience spans all aspects of healthcare planning and demand and capacity modelling across the health and social care sector, including the delivery of large, complex projects across healthcare systems and organisational boundaries.

Recent project examples

- Primary Care Network Estates Strategies
- North Powys Health and Wellbeing Campus

Project management

Project management services involve planning, coordinating, and executing projects to meet specific requirements and constraints. Our project managers become our clients' trusted advisors in establishing their options, defining their project needs and managing project delivery, and improve delivery processes by applying best practice to plan and control every aspect of the project lifecycle.

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- Harrogate and District Hospital NHS Foundation Trust, Capital and Backlog Programme

Civil and structural engineering

Civil and structural engineering services in the healthcare sector focus on designing and constructing safe, efficient and resilient healthcare facilities. Our specialists ensure each clinical development meets our clients' unique needs, including meeting stringent health and safety standards, hosting advanced medical technologies and providing a comfortable environment for patients and staff.

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- Guy's & St Thomas' Hospital Redevelopment Programme
- Greater Manchester Major Trauma Centre

Quantity surveyor

Quantity surveying services involve managing and controlling costs within construction projects. This includes tasks such as cost planning, procurement, contract administration, and commercial management to ensure projects are completed within budget and provide value for money.

Recent project examples

- NHS England P23
- Royal Berkshire Hospital

Mechanical, Electrical & Public Health (MEP) Services

MEP services are crucial for ensuring the safety, comfort and functionality of healthcare facilities. Mechanical services include HVAC systems that maintain indoor air quality and temperature. Electrical services cover the design and installation of power supply systems, lighting and essential medical equipment. Public Health services focus on plumbing, sanitation, and water supply systems, ensuring hygiene and infection control

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- Guy's & St Thomas' Hospital Redevelopment Programme

Architectural design

Our architectural design services focus on creating functional, safe and healthy environments for patients and staff. Our services cover everything from masterplanning to compliance with healthcare regulations and sustainability standards. We aim to enhance patient care and operational efficiency through people-focused and innovative design solutions.

Recent project examples

- Queen Victoria Hospital, Community Diagnostic Centres
- New Hospital Programme, Enabling Works Review

Multidisciplinary services

Multidisciplinary services bring together teams of professionals from various disciplines working together to deliver functional, safe and healthy facilities for patients and staff.

Recent project examples

- Jersey Hospital Redevelopment
- Velindre Cancer Care Centre

Net zero, environmental and sustainability consultancy

Net zero, environmental and sustainability consultancy services help healthcare organisations reduce their carbon footprint and achieve sustainability goals in line with NHS targets. Our services include developing strategies for carbon reduction, assessing environmental impacts and creating roadmaps to reach net zero targets. We also provide guidance on sustainable practices, energy efficiency, and compliance with environmental regulations.

Recent project examples

- King's College Hospital Heat Decarbonisation
- Leeds Teaching Hospitals NHS Trust Estate Decarbonisation Strategy

Facade engineering

Covering all aspects of façade engineering, our team can help you develop and implement any type of building exterior for your project. We can design, develop and monitor through to installation a wide variety of façade types.

Recent project examples

- No.1 Spinningfields, Manchester
- Stansted Airport Arrivals Expansion, London

Digital consulting

We bring together a range of experts from clinical transformation and digital advisory to deliver better experiences for patients and staff. We work with healthcare organisations to identify and achieve desired outcomes using a collaborative, tailored and integrated approach across the project lifecycle.

Recent project examples

- Jersey Hospital Redevelopment
- New Hospital Programme, Interim Delivery Partner

Six facet survey and compliance monitoring

The six facet survey is a comprehensive assessment method used in the healthcare sector to evaluate the condition, functionality, and compliance of facilities. It covers six key areas: physical condition, functional suitability, space utilisation, quality, statutory compliance and environmental management. Compliance monitoring services ensure that facilities adhere to relevant regulations and standards, helping to maintain safe and efficient operations.

Recent project examples

- North Tees NHS Trust 6 facet Survey

Access consultancy services

Applying human factors and ergonomics research techniques to the design of user experiences and work environments, creating inclusive spaces that meet accessibility standards and regulations. Our services include access audits, design appraisals, and training to help organisations improve their buildings, policies, and services to better accommodate disabled individuals.

Recent project examples

- Transport for West Midlands New Stations
- Luton Station Access for All Upgrade

Strategic estate/facilities management

Moving to new clinical models and intelligent hospitals demands a new approach to supporting services that operate in the background and keep hospitals functioning smoothly. We help healthcare providers to redefine ways of operating, focusing on how to optimise service levels within realistic financial envelopes, driving out value from existing models, as well as identifying options for cost effective alternatives. We also help providers look at how digital technology and automation can potentially change the approach to delivery.

Recent project examples

- Sandwell and West Birmingham Hospitals NHS Trust
- Princess Alexandra Hospital Outline Business Case

Fire safety engineering

Fire safety engineering, tackling the reaction of people and infrastructure to fire, helps protect lives and businesses. By applying best practice and latest fire engineering techniques, we develop innovative fire safety solutions that satisfy authorities' requirements and that are cost-effective and sustainable.

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- The Core, Guys & St Thomas' NHS Foundation Trust

Landscape architecture, masterplanning and public realm design/strategy

Landscape architecture involves designing outdoor spaces to create functional, sustainable, and aesthetically pleasing environments. Masterplanning focuses on the comprehensive planning and development of large areas, ensuring cohesive and strategic growth. Public realm design/strategy enhances public spaces, making them accessible, engaging, and beneficial for the community.

Recent project examples

- Midland Metropolitan Hospital Learning Centre
- Velindre Cancer Care Centre

Town planning

Town planning underpins development in the modern world. Balancing different, often competing, social, environmental and economic issues when making decisions about land use and urban design is at the core of enabling beautiful places for people to live and work and delivering the major infrastructure projects to support that.

Recent project examples

- Oldham Hospital Boilerhouse

Modern Methods of Construction

Design for manufacture and assembly (DfMA) and modern methods of construction (MMC) are at the core of our innovative approach to design and must be 'baked' into a holistic design process from the outset and guarded throughout. This way, we create a golden thread through architecture, MEP and civil and structural design.

Recent project examples

- New Hospital Programme, Interim Delivery Partner

Clinical waste management

We are at the forefront of policy and delivery in healthcare waste management. As co-author of the latest NHS guidance, we have played a key role in shaping the NHS's strategic approach to waste management, making us ideally placed to support Trusts with your individual waste management plans.

Recent project examples

- NHS Covid-19 Pandemic Waste Guidance

Transport planning and traffic analysis

Transport planning and traffic analysis services involve creating strategies to manage and improve transportation systems. These services include assessing traffic flow, designing road networks, and ensuring efficient access and parking solutions for healthcare developments. They aim to enhance mobility, reduce congestion, and promote sustainable travel patterns.

Recent project examples

- Norfolk and Norwich University Hospital Travel Planning Options Study
- Princess Alexandra Hospital Outline Business Case

Vertical transportation

Vertical transportation services encompass the design, installation, and maintenance of systems like lifts, escalators and moving walkways. These services ensure the efficient and safe movement of people and goods within buildings, whether for new constructions, retrofits or upgrades to existing systems.

Recent project examples

- Hillingdon Hospital Trust
- New Northzealand Hospital

Aviation consultancy (e.g. helipads)

Aviation consultancy services focus on designing and implementing helipads and air transport solutions to enhance patient care and emergency response times. These services ensure compliance with safety regulations, optimise logistics and integrate advanced technologies to support efficient and reliable medical air transport.

Recent project examples

- University Hospitals Bristol NHS Foundation Trust Childrens Hospital
- Salford Royal Hospital

Principal Designer

A Principal Designer is a designer who is an organisation or individual (on smaller projects) appointed by the client to take control of the pre-construction phase of any project involving more than one contractor.

Principal Designers have an important role in influencing how risks to health and safety are managed throughout a project. Design decisions made during the pre-construction phase have a significant influence in ensuring the project is delivered in a way that secures the health and safety of everyone affected by the work.

Recent project examples

- New Hospital Programme, Interim Delivery Partner

NEC supervisor

The role of an NEC supervisor is to monitor the works, witness any testing, check compliance with the Works Information and ensure that all works are carried out in line with the quality defined in the Works Information. This is especially important in today's fast paced construction market as recent high-profile cases will attest, where a lack of inspection during construction has caused major issues.

Construction phase inspections and final testing

Construction phase inspections and witnessing final testing services ensure that all building systems and components meet stringent regulatory standards and operational requirements. These services include thorough inspections, testing of critical systems like HVAC, electrical, and plumbing, and verification of safety and compliance to ensure a safe and functional environment for patient care.

Recent project examples

- Arrowe Park Hospital, Wirral
- Oldham Boiler House

Reinforced Autoclaved Aerated Concrete (RAAC)

RAAC panel installations need to be managed appropriately in order to reduce the risks. A detailed survey and risk assessment is required to form a baseline understanding of the installation and its condition. We provide a wide range of support including project management, materials specialists, industry leading RAAC consultant structural engineers and supporting experts. We support the identification, management, remediation and follow-on feasibility and assessment works for RAAC installations, considering how these fit into the wider system.

Recent project examples

- NHS England RAAC Support
- Department for Education RAAC Rapid Assessment

Concrete/invasive testing

Our concrete/invasive testing provide clients with specialised support in assessing the integrity and durability of concrete structures. These services include visual inspections, sample collection and advanced testing techniques to identify potential issues and ensure structural safety and compliance.

Recent project examples

- National Grid Substation Inspections
- Bootle Leisure Centre, Halton Borough Council

Arboriculture and Tree Preservation Order consultancy

Arboriculture and Tree Preservation Order (TPO) consultancy provide expert advice on the management, preservation and protection of trees. Our service offering includes tree surveys, risk assessments, management plans and guidance on legal matters related to TPOs and conservation areas.

Recent project examples

- High Speed Two (HS2) Ltd South and Central England
- Royal Botanic Gardens, Kew Capital Development Project

Noise, vibration and acoustics

Acoustic comfort is recognised as vital to ensuring good communication, concentration and relaxation. We offer in-depth experience for the optimisation of acoustic comfort within buildings, and the mitigation of noise and vibration impacts on environmental acoustic amenity.

Recent project examples

- Tate Modern Art Gallery, London
- Construction Vibration Monitoring adjacent to a listed building

Social value consultancy

Social value consultancy services focus on measuring and monetising the social impact of projects. They help organisations embed social value into projects and ensure that social value commitments are actioned and achieved. This involves developing strategies to enhance social wellbeing and demonstrating the broader benefits of initiatives.

Recent project examples

- New Hospital Programme, Interim Delivery Partner
- Jersey Hospital Redevelopment

BREEAM

Our BREEAM consultant conduct assessments of buildings and projects to determine their environmental performance and sustainability. They provide expert advice and support to project teams throughout the design and construction process and prepare the necessary documentation required for certification.

Recent project examples

- Evelina Day Surgery, Guys and St Thomas Hospital
- Royal Papworth Hospital NHS Foundation Trust

WELL consultant

WELL consultant services focus on helping buildings achieve the WELL Building Standard®, which measures and certifies features that impact human health and well-being. This includes aspects like air quality, water, nourishment, light, fitness, comfort, and mental health.

Recent project examples


- Technology Client Campus Project
- Hanover Quay Office Development

Public Private Partnerships (PPP) technical advisory services and PFI handbook

PPP technical advisory services provide expert guidance on the structuring, procurement and management of PPP projects. These services ensure that projects are designed, financed and operated efficiently, transferring risks to the private sector and protecting public interests. The PFI handbook offers comprehensive guidelines and best practices for managing PFI contracts, focusing on performance, risk management and value for money.

Recent project examples

- NHS England PPP Guidance



Talk to us

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